



PTO/SB/08A&amp;B (08-03)

<b>Substitute for Form PTO/SB/08A&amp;B</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	10/820,387		
		Filing Date	April 7, 2004		
		First Named Inventor	Srinivas Kaza		
		Art Unit	3732		
		Examiner Name	Manahan, Todd E.		
Sheet	1	of	10	Attorney Docket Number	018563-006410US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AA	AA	US-6,767,208	07-27-2004	Kara	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>o</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
AA	AB	AU	517102		07-09-1981	Hito Suyehiro		<input type="checkbox"/>
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	AH	EP	0091876		10-19-1983	Duret		<input type="checkbox"/>
	AI	EP	0299490		01-18-1989	Steinbichler		<input type="checkbox"/>
	AJ	EP	0376873		07-04-1990	Shafir		
	AK	EP	0490848		06-17-1992	Nobelpharma AB.		
	AL	EP	0541500		05-12-1993	Nobelpharma AB		
	AM	EP	0667753		08-23-1995	Ormco Corp		
	AN	EP	0774933		05-28-1997	Sandvik AB		
	AO	EP	0731673		09-18-1996	Nobel Biocare AB		
	AP	ES	463897		01-01-1980	Hito Suyehiro		
	AQ	FR	2369828		06-02-1978	Hito Suyehiro		
	AR	FR	2652256		03-29-1991	Jourda		
	AS	GB	1550777		08-22-1979	Hito Suyehiro		
	AT	JP	04-028359		01-30-1992	Mitsubishi Petrochemical Co		
	AU	JP	53-058191		05-25-1978	Yoshii		
AV	JP	08-508174		09-03-1996	Ormco Corp			
AW	WO	90/08512		08-09-1990	Dolphin Imaging System			
AX	WO	91/04713		04-18-1991	Jourda et al.			
AY	WO	98/44865		10-15-1998	Nobel Biocare AB			
AZ	WO	98/58596		12-30-1998	Align Technology Inc			

Examiner Signature		Date Considered	7-20-04
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	BA	English translation of Japanese Laid-Open Publication No. 63-11148 to inventor T. Ozukuri (Laid-Open on January 18, 1988) pp. 1-7.		
	BB	U.S. Provisional Patent Application No. 60/050342, filed on June 20, 1997, 41 pages total.		
	BC	ALEXANDER <i>et al.</i> , "The DigiGraph Work Station Part 2, Clinical Management," JCO, (July 1990), pp. 402-407.		
	BD	ALTSCHULER <i>et al.</i> , "Analysis of 3-D Data for Comparative 3-D Serial Growth Pattern Studies of Oral-Facial Structures," IADR Abstracts, Program and Abstracts of Papers, 57th General Session, IADR Annual Session, March 29, 1979 - April 1, 1979, New Orleans Marriot, J. Dent. Res., Vol. 58, (January 1979), Special Issue A, p. 221.		
	BE	ALTSCHULER, "3D Mapping of Maxillo-Facial Prosthesis," AADR Abstract #607, (1980), 2 pages total.		
	BF	ALTSCHULER <i>et al.</i> , "Laser Electro-Optic System for Rapid Three-Dimensional (3D) Topographic Mapping of Surfaces," Optical Engineering, Vol. 20, No. 6, (1981), pp. 953-961.		
	BG	ALTSCHULER <i>et al.</i> , "Measuring Surfaces Space-Coded by a Laser-Projected Dot Matrix," SPIE Imaging Applications for Automated Industrial Inspection and Assembly, Vol. 182, (1979), pp. 187-191.		
	BH	AMERICAN ASSOCIATION FOR DENTAL RESEARCH, Summary of Activities, March 20-23, 1980, Los Angeles, CA, p. 195.		
	BI	ANDERSSON <i>et al.</i> , "Clinical Results with Titanium Crowns Fabricated with Machine Duplication and Spark Erosion," Acta Odontol. Scand., Vol. 47, (1989), pp. 279-286.		
	BJ	ANDREWS, The Six Keys to Optimal Occlusion Straight Wire, Chapter 3, pp. 13-24.		
	BK	BAUMRIND <i>et al.</i> , "A Stereophotogrammetric System for the Detection of Prosthesis Loosening in Total Hip Arthroplasty," NATO Symposium on Applications of Human Biostereometrics, July 9-13, 1978, SPI, 166:112-123.		
	BL	BAUMRIND <i>et al.</i> , "Mapping the Skull in 3-D," Reprinted from J. Calif. Dent. Assoc., Vol. 48, No. 2, (1972 Fall Issue), 11 pages total.		
	BM	BAUMRIND, "Integrated Three-Dimensional Craniofacial Mapping: Background, Principles, and Perspectives," Semin. Orthod., 7(4):223-232 (Dec. 2001).		
	BN	BAUMRIND, "A System for Craniofacial Mapping Through the Integration of Data from Stereo X-Ray Films and Stereo Photographs," an invited paper submitted to the 1975 American Society of Photogram. Symposium on Close-Range Photogram. Systems, University of Ill., Aug. 26-30, 1975, pp.142-166.		
	BO	BEGOLE <i>et al.</i> , "A Computer System for the Analysis of Dental Casts," Angle Orthod., 51(3):253-259 (July 1981).		
Examiner Signature			Date Considered	7-20-04

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	BP	BERNARD <i>et al.</i> , "Computerized Diagnosis in Orthodontics for Epidemiological Studies: A Progress Report," Paper presented at International Association for Dental Research 66th General Session, March 9-13, 1988, Montreal, Canada. The abstract is published in <i>J Dental Res. Special Issue</i> , 67:169.	
	BQ	BHATIA <i>et al.</i> , "A Computer-Aided Design for Orthognathic Surgery," <i>Br. J. Oral Maxillofac Surg.</i> , Vol. 22, (1984), pp. 237-253.	
	BR	BIGGERSTAFF <i>et al.</i> , "Computerized Analysis of Occlusion in the Postcanine Dentition," <i>Am. J. Orthod.</i> , Vol. 61, No. 3, (Mar. 1972), pp. 245-254.	
	BS	BIOSTAR, Biostar Operation & Training Manual, Great Lakes Orthodontics Ltd., Tonawanda, NY, 20 pages.	
	BT	BIGGERSTAFF, "Computerized Diagnostic Setups and Simulations," <i>Angle Orthod.</i> , Vol. 40, No. 1, (Jan. 1970), pp. 28-36.	
	BU	BOYD <i>et al.</i> , "Three Dimensional Diagnosis and Orthodontic Treatment of Complex Malocclusions with the Invisalign Appliance," <i>Seminars in Orthodontics</i> , Vol. 7, No. 4 (Dec. 2001), pp. 274-293.	
	BV	BRANDESTINI <i>et al.</i> , "Computer Machined Ceramic Inlays: In Vitro Marginal Adaptation," <i>J. Dent. Res.</i> , Vol. 64/Special Issue/Abstracts, IADR/AADR Abstracts, (1985), p. 208.	
	BW	BROOK <i>et al.</i> , "An Image Analysis System for the Determination of Tooth Dimensions from Study Casts: Comparison with Manual Measurements of Mesio-distal Diameter," <i>J. Dent. Res.</i> , Vol. 65, No. 3, (March 1986), pp. 428-431.	
	BX	BURSTONE (interview), "Dr. Charles J. Burstone on The Uses of the Computer in Orthodontic Practice (Part 1)," <i>J. Clin. Orthod.</i> , 13(7):442-53 (Jul 1979).	
	BY	BURSTONE (interview), "Dr. Charles J. Burstone on The Uses of the Computer in Orthodontic Practice (Part 2)," <i>J. Clin. Orthod.</i> , 13(8):539-51 (Aug. 1979).	
	BZ	BURSTONE <i>et al.</i> , "Precision Adjustment of the Transpalatal Lingual Arch: Computer Arch Form Predetermination," <i>Am. J. Orthod.</i> , Vol. 79, No. 2 (Feb. 1981), pp. 115-133.	
	CA	CARDINAL INDUSTRIAL FINISHES, Powder Coatings information posted at <a href="http://www.cardinalpaint.com">http://www.cardinalpaint.com</a> on Aug. 25, 2000, 2 pages total.	
	CB	CARNAGHAN <i>et al.</i> , "An Alternative to Holograms for the Portrayal of Human Teeth," <i>Fourth International Conference Holographic Systems, Components and Applications</i> , Sep 13-15, 1993, Issue 379, pp. 228-231.	
	CC	CHACONAS <i>et al.</i> , "The DigiGraph Work Station, Part 1, Basic Concepts," <i>JCO</i> , (June 1990), pp. 360-367.	
	CD	CHAFETZ <i>et al.</i> , "Subsidence of the Femoral Prosthesis, A Stereophotogrammetric Evaluation," <i>Clin. Orthop. Relat. Res.</i> , No. 201, (December 1985), pp. 60-67.	
	CE	CHIAPPONE, "Constructing the Gnathologic Setup and Positioner," <i>J. Clin. Orthod.</i> , Vol. 14, pp. 121-133 (1980).	

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NON PATENT LITERATURE DOCUMENTS			
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	CF	COTTINGHAM, "Gnathologic Clear Plastic Positioner, <i>Am. J. Orthod.</i> , Vol. 55, pp. 23-31 (Jan. 1969).	
	CG	CRAWFORD, "CAD/CAM in the Dental Office: Does It Work?" <i>J. Can. Dent Assoc.</i> , Vol. 57, No. 2, (Feb. 1991), pp. 121-123.	
	CH	CRAWFORD, "Computers in Dentistry: Part 1 - CAD/CAM: The Computer Moves Chairside; Part 2 - Computers in dentistry. Part two. Francois Duret—a man with vision; Part 3 - The computer gives new vision—literally; Part 4 - Bytes 'N Bites: The Computer Moves From The Front Desk To The Operator," <i>J. Can. Dent. Assoc.</i> , (Sept. 1988), 54(9):661-666.	
	CI	CROOKS, "CAD/CAM Comes to USC," <i>USC Dentistry</i> , (Spring 1990), pp. 14-17.	
	CJ	CURETON, "Correcting Malaligned Mandibular Incisors with Removable Retainers," <i>J. Clin. Orthod.</i> , Vol. 30, No. 7, (1996), pp. 390-395.	
	CK	CURRY <i>et al.</i> , "Integrated Three-Dimensional Craniofacial Mapping at the Craniofacial Research Instrumentation Laboratory/University of the Pacific," <i>Semin. Orthod.</i> , Vol. 7, No. 4, (Dec 2001), pp. 258-265.	
	CL	CUTTING <i>et al.</i> , "Three-Dimensional Computer-Assisted Design of Craniofacial Surgical Procedures: Optimization and Interaction with Cephalometric and CT-Based Models," <i>Plast. Reconstr. Surg.</i> , Vol. 77, No. 6, (June 1986), pp. 877-885.	
	CM	DCS Dental AG, "The CAD/CAM 'DCS Titan System' for Production of Crowns/Bridges," DSC Production AG, (Jan. 1992), pp. 1-7.	
	CN	DEFRANCO <i>et al.</i> , "Three-Dimensional Large Displacement Analysis of Orthodontic Appliances," <i>J. Biomech.</i> , Vol. 9, (1976), pp. 793-801.	
	CO	DENTAL INSTITUTE UNIVERSITY OF ZURICH SWITZERLAND, "Program for International Symposium on Computer Restorations: State of the Art of the CEREC-Method," (May 1991), 2 pages total.	
	CP	DENTRAC CORPORATION, Dentrac document, pp. 4-13.	
	CQ	DENT-X posted at <a href="http://www.dent-x.com/DentSim.htm">http://www.dent-x.com/DentSim.htm</a> 09/24/98, 6 pages total.	
	CR	DOYLE, A., "Digital Dentistry," <i>Computer Graphics World</i> , < <a href="http://www.cgw.com">www.cgw.com</a> >, 4 pages (October 2000).	
	CS	DURET <i>et al.</i> , "CAD/CAM Imaging in Dentistry," <i>Curr. Opin. Dent.</i> , Vol. 1, (1991), pp. 150-154.	
	CT	DURET <i>et al.</i> , "CAD-CAM in Dentistry," <i>J. Am. Dental Assoc.</i> , Vol. 117, (Nov. 1988), pp. 715-720.	
	CU	DURET, "The Dental CAD/CAM, General Description of the Project," <i>Hennson International Product Brochure</i> , (Jan. 1986), 18 pages total.	
	CV	DURET, "Vers Une Prothese Informatisee," (English translation also attached), <i>Tonus</i> , Vol. 75, (Nov. 15, 1985), pp. 55-57.	

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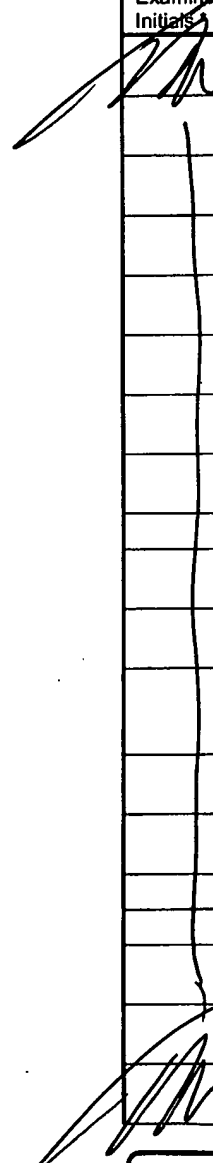
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	CW	ECONOMIDES, "The Microcomputer in the Orthodontic Office," JCO, (Nov. 1979), pp. 767-772.	
	CX	ELSASSER, "Some Observations on the History and Uses of the Kesling Positioner," Am. J. Orthod., (1950), 36:368-374.	
	CY	FABER et al., "Computerized interactive orthodontic treatment planning," Am. J. Orthod., Vol. 73, No. 1, (Jan. 1978), pp. 3646.	
	CZ	FELTON et al., "A Computerized Analysis of the Shape and Stability of Mandibular Arch Form," Am. J. Orthod. Dentofacial. Orthop., Vol. 92, No. 6, (Dec. 1987), pp. 478-483.	
	DA	FRIEDE et al., "Accuracy of Cephalometric Prediction in Orthognathic Surgery, Abstract of Papers," J. Dent. Res., Vol. 70, (1987), pp. 754-760.	
	DB	FÜTTERLING et al., "Automated Finite Element Modeling of a Human Mandible with Dental Implants," WSCG '98 -Conference Program, retrieved from the Internet: <<http://wscg.zcu.cz/wscg98/papers98/Strasser_98.pdf.>>, 8 pages total.	
	DC	GAO et al., "3-D Element Generation for Multi-Connected Complex Dental and Mandibular Structure," Proceedings. International Workshop on Medical Imaging and Augmented Reality, 2001.	
	DD	GIM-ALLDENT, Deutschland, Das DUX System: Die Technik, 2 pages total.	
	DE	GOTTLEIB et al., "JCO Interviews Dr. James A. McNamara, Jr., on the Frankel Appliance: Part 2: Clinical Management," Journal of Clinical Orthodontics, Vol. 16, No. 6, (June 1982) pp. 390-407.	
	DF	GRAYSON, "New Methods for Three Dimensional Analysis of Craniofacial Deformity, Symposium: Computerized Facial Imaging in Oral and Maxiofacial Surgery," AAOMS, (Sept 13, 1990), 3 pages total.	
	DG	GUESS et al., "Computer Treatment Estimates In Orthodontics and Orthognathic Surgery," JCO, (April, 1989), pp. 262-28.	
	DH	HEAVEN et al., "Computer-based Image Analysis of Artificial Root Surface Caries, Abstracts of Papers," J. Dent. Res., Vol. 70, (April 17-21, 1991), p. 528.	
	DI	HOFFMANN et al., "Role of Cephalometry for Planning of Jaw Orthopedics and Jaw Surgery Procedures," (Article Summary In English, article in German), Informatbnen, (March 1991), pp. 375-396.	
	DJ	HOJJATIE et al., "Three-Dimensional Finite Element Analysis of Glass-Ceramic Dental Crowns," J Biomech. (1990) Vol. 23, No. 11, pp.1157-1166.	
	DK	HUCKINS, "CAD-CAM Generated Mandibular Model Prototype from MRI Data," AAOMS, (1999), p. 96.	
	DL	JCO Interviews, "Craig Andreiko, DDS, MS on the Elan and Orthos Systems," JCO, (Aug. 1994), pp. 459-468.	

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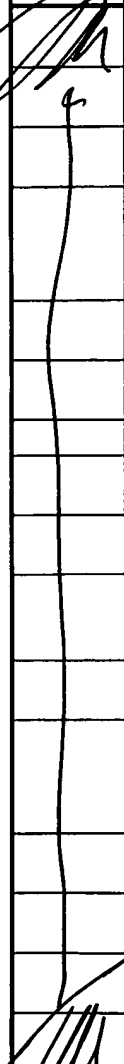
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	DM	JCO Interviews, "Dr. Homer W. Phillips on Computers in Orthodontic Practice," Part 2, JCO, (Dec. 1983), pp. 819-831.	
	DN	JERROLD, "The Problem, Electronic Data Transmission and the Law," AJO-DO, (Apr. 1988), pp. 478-479.	
	DO	JONES <i>et al.</i> , "An Assessment of the Fit of a Parabolic Curve to Pre- and Post-Treatment Dental Arches," Br. J. Orthod., Vol. 16, (1989), pp. 85-93.	
	DP	KAMADA <i>et al.</i> , "Case Reports On Tooth Positioners Using LTV Vinyl Silicone Rubber," J. Nihon University School of Dentistry, (1984), 26(1): 11 -29.	
	DQ	KAMADA <i>et al.</i> , "Construction of Tooth Positioners with LTV Vinyl Silicone Rubber and Some Case Reports," J. Nihon University School of Dentistry, (1982), 24(1):1-27.	
	DR	KANAZAWA <i>et al.</i> , "Three-Dimensional Measurements of the Occlusal Surfaces of Upper Molars in a Dutch Population," J. Dent Res., Vol. 63, No. 11, (Nov. 1984), pp. 1298-1301.	
	DS	KESLING <i>et al.</i> , "The Philosophy of the Tooth Positioning Appliance," Am. J. Orthod. Oral Surg., (1945), 31:297-304.	
	DT	KESLING, "Coordinating the Predetermined Pattern and Tooth Positioner with Conventional Treatment," Am. J. Orthod. Oral Surg., (1946), 32:285-293.	
	DU	KLEEMAN <i>et al.</i> , "The Speed Positioner," J. Clin. Orthod., (1996), 30:673-680.	
	DV	KUNII <i>et al.</i> , "Articulation Simulation for an Intelligent Dental Care System," Displays (1994) 15:181-188.	
	DW	KURODA <i>et al.</i> , "Three-Dimensional Dental Cast Analyzing System Using Laser Scanning," Am. J. Orthod. Dentofac. Orthop., (1996), 110:365-369.	
	DX	LAURENDEAU <i>et al.</i> , "A Computer-Vision Technique for the Acquisition and Processing of 3-D Profiles of Dental Imprints: An Application in Orthodontics," IEEE Trans. Med. Imaging, Vol. 10, No. 3, (Sept. 1991), pp. 453-461.	
	DY	LEINFELDER <i>et al.</i> , "A New Method for Generating Ceramic Restorations: a CAD-CAM system," J. Am. Dent. Assoc., Vol. 118, No. 6, (Jun. 1989), pp. 703-707.	
	DZ	MANETTI <i>et al.</i> , "Computer-aided cefalometry and new mechanics in orthodontics," Fortschr. Kieferorthop., (1983 Oct), 44(5):370-376.	
	EA	MCCANN, "Inside the ADA," J. Am. Dent. Assoc., Vol. 118, (March 1989), p. 286-294.	
	EB	MCNAMARA <i>et al.</i> , "Invisible Retainers," J. Clin. Orthod., (August 1985), pp. 570-578.	
	EC	MCNAMARA <i>et al.</i> , "Orthodontic and Orthopedic Treatment in the Mixed Dentition," Needham Press, January 1993. pp.347-353.	
	ED	MOERMANN <i>et al.</i> , "Computer Machined Adhesive Porcelain Inlays: Margin Adaptation after Fatigue Stress," IADR Abstract 339, J. Dent. Res., Vol. 66(a), (1987), p. 763.	
EE	MÖRMANN <i>et al.</i> , "Marginale Adaptation von adhäsiven Porzellaninlays in vitro," Separatdruck aus: Schweiz. Mschr. Zahnmed. 95: 1118-1129, (1985).		

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	EF	NAHOUM, "The Vacuum Formed Dental Contour Appliance," <i>N. Y. State Dent. J.</i> , (November 1964), Vol. 30, No. 9, pp. 385-390	
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Substitute for form 1449B/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				Application Number	10/820,387
				Filing Date	April 7, 2004
				First Named Inventor	Srinivas Kaza
				Art Unit	3732
				Examiner Name	Manahan, Todd E.
Sheet	8	of	10	Attorney Docket Number	018563-006410US

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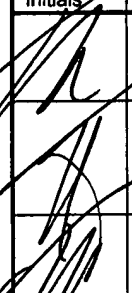
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	FU	WILLIAMS, "The Switzerland and Minnesota Developments in CAD/CAM," <i>J. Dent. Pract. Adm.</i> , (April/June 1987), pp. 50-55.	
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